

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: HSIAO, Cheng-Fang

SERIAL NO.:

FILED: Herewith

TITLE: DIRECT CURRENT BRUSHLESS VIBRATION MOTOR

Preliminary Amendment: CLAIM AMENDMENTS

1. (Currently amended) A direct current brushless vibration motor comprising:

a housing;

a stator mounted in said housing and ~~provided with~~ comprised of a rotor mounting slot which is provided in an inner wall with a series of pole teeth, said pole teeth being arranged at an interval; and

a rotor ~~formed~~ comprised of a magnetic cylindrical body, a rotary disk support disposed in a hollow interior of said magnetic cylindrical body, and a rotary shaft mounted in a center of said rotary disk support, said magnetic cylindrical body being provided in an outer side with a series of rotor pole pairs, each pair having north and south magnetic poles, said rotor being mounted in said rotor mounting slot of said stator;

wherein said rotary disk support of said rotor is ~~provided with~~ comprised of a plurality of weight through holes whereby said weight through holes are distributed unevenly to cause said rotor to engage in an unbalanced vibratory rotation.